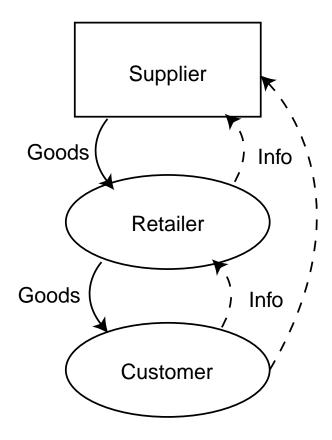
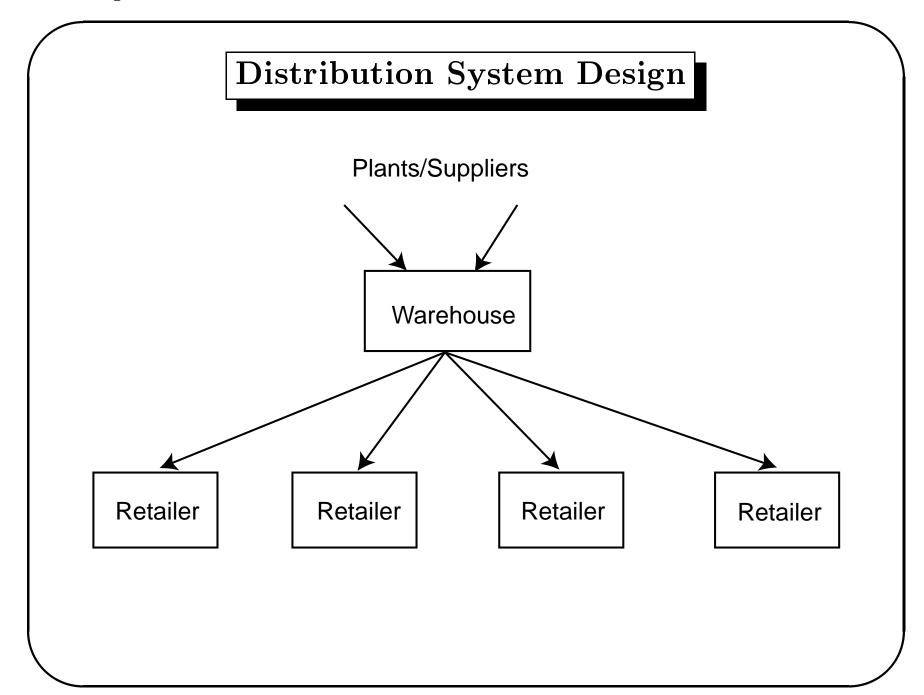
Crossdocking

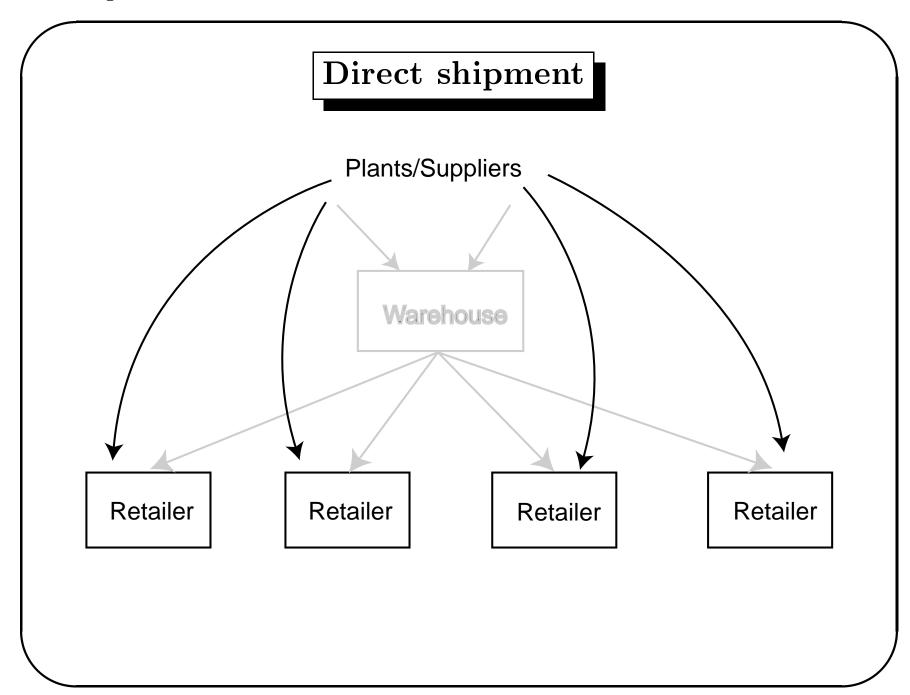
A multi-echelon system

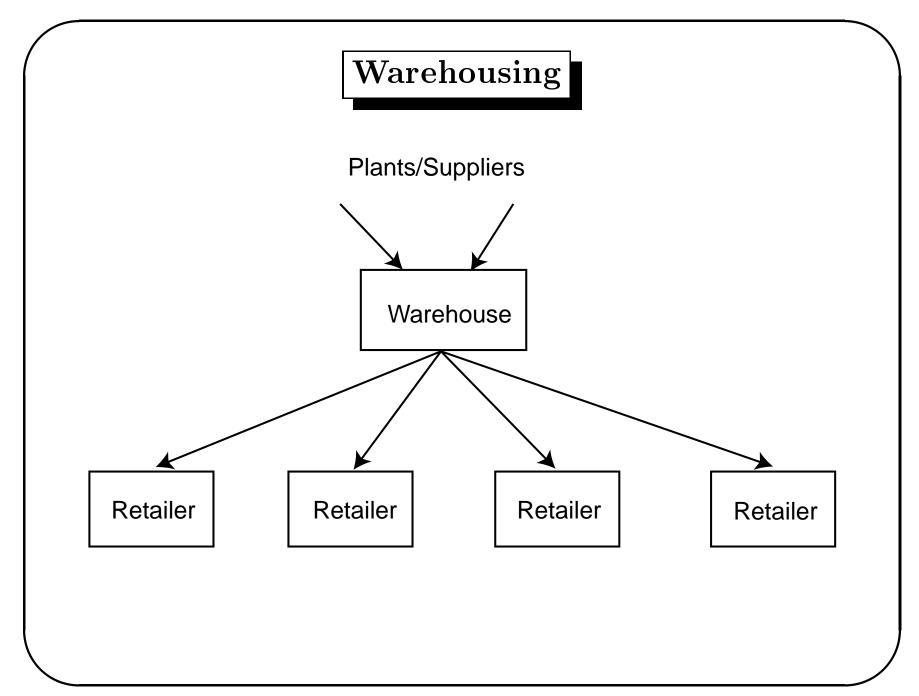


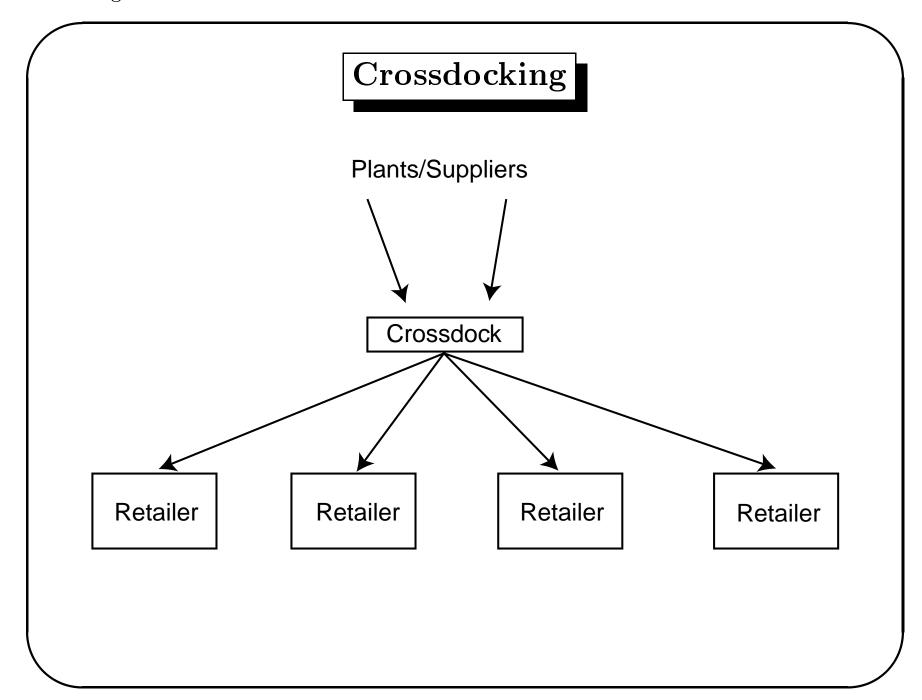


Different distribution structures

- Direct shipment
- WarehousingCrossdocking







Crossdocking is ...

outbound vehicle without storage in between. moving products directly from inbound to

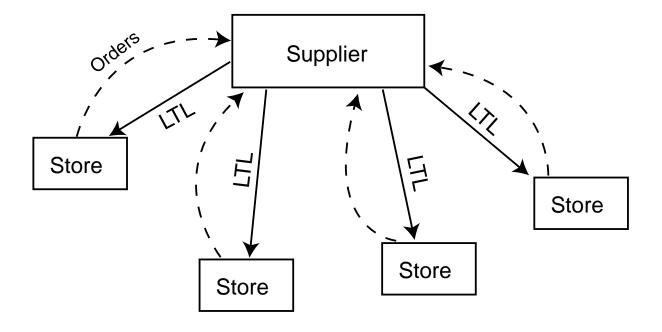
The main attractions

- Reduce inventory holding costs
- Reduce transportation costs

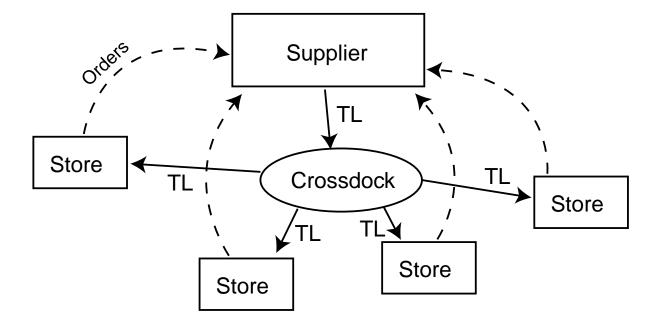
Wal-Mart

- **Staple stock** items that customers expect to find in the same place in every Wal-Mart (toothpaste, shampoo, etc.).
- These items are warehoused so there are no stockouts.
- Pull based distribution
- deal on and are pushing out to stores. **Direct ship** — items that Wal-Mart buyers have gotten a great
- These items are crossdocked; stores don't know what they're getting until the truck arrives!
- Push-based distribution

Home Depot: the old system



Home Depot: the new system



The right products

- High demand
- Low variance

Easy to handle

Other examples

- Computer firms consolidate CPU, monitor, and printer in merge in transit centers.
- freight. LTL and package carriers (UPS, FedEx) crossdock to consolidate
- JIT manufacturers crossdock inbound supplies in a nearby warehouse.